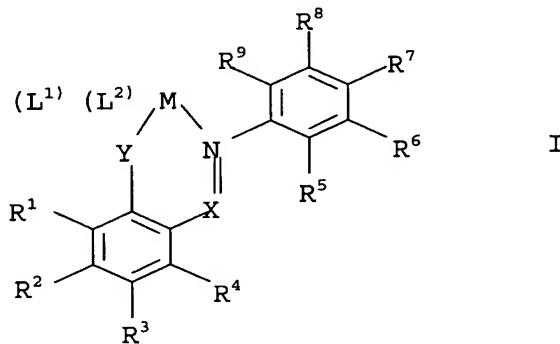


IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for preparing an aqueous polymer dispersion, dispersions by polymerizing one or more olefins in an aqueous medium in the presence of one or more dispersants, and, if desired optionally, of organic solvents, said process comprising which comprises catalyzing the polymerization of said one or more olefins olefin(s) using one or more metal complex compounds of the formula I:



wherein where the substituents and indices have the following meanings:

M is a transition metal from groups 7 to 10 of the periodic table of the elements[[,]];

L¹ denotes phosphanes (R¹⁶)_xPH_{3-x} or amines (R¹⁶)_xNH_{3-x} with identical or different radicals R¹⁶, ethers (R¹⁶)₂O, H₂O, alcohols (R¹⁶)OH, pyridine, pyridine derivatives of the formula C₅H_{5-x}(R¹⁶)_xN, CO, C₁-C₁₂ alkynitriles, C₆-C₁₄ arylnitriles or ethylenically unsaturated double bond systems, x denoting an integer from 0 to 3[[,]];

L² denotes halide ions, amide ions (R^{16})_hNH_{2-h}, h denoting an integer from 0 to 2, and also C₁-C₆ alkyl anions, allyl anions, benzyl anions or aryl anions,

and optionally, it being possible for L¹ and L² to be linked to one another by one or more covalent bonds[[,]];

X: is CR or nitrogen atom (N),

R: is hydrogen,

C₁-C₆ alkyl groups,

C₇-C₁₃ aralkyl radicals, or

C₆-C₁₄ aryl groups, unsubstituted or substituted by one or more C₁-C₁₂ alkyl groups, halogens, mono- or polyhalogenated C₁-C₁₂ alkyl groups, C₁-C₁₂ alkoxy groups, silyloxy groups OSiR¹¹R¹²R¹³, amino groups NR¹⁴R¹⁵ or C₁-C₁₂ thioether groups,

Y: is OH group, oxygen, sulfur, N-R¹⁰ or P-R¹⁰,

N: is nitrogen atom;

R¹ to R⁹: are, independently of one another, hydrogen,

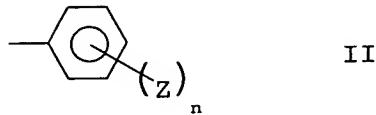
C₁-C₁₂ alkyl, wherein it being possible for the alkyl groups to be branched or unbranched,

C₁-C₁₂ alkyl, substituted one or more times by identical or different substituents, selected from the group consisting of C₁-C₁₂ alkyl groups,

halogens, C₁-C₁₂ alkoxy groups and C₁-C₁₂ thioether groups,
C₇-C₁₃ aralkyl,
C₃-C₁₂ cycloalkyl,
C₃-C₁₂ cycloalkyl, substituted one or more times by identical or different
substituents, selected from the group consisting of C₁-C₁₂ alkyl groups,
halogens, C₁-C₁₂ alkoxy groups and C₁-C₁₂ thioether groups,
C₆-C₁₄ aryl,
C₆-C₁₄ aryl, substituted by identical or different substituents, selected from one
or more members of the group consisting of C₁-C₁₂ alkyl groups, halogens,
mono- or polyhalogenated C₁-C₁₂ alkyl groups, C₁-C₁₂ alkoxy groups, silyloxy
groups OSiR¹¹R¹²R¹³, amino groups NR¹⁴R¹⁵ and C₁-C₁₂ thioether groups,
C₁-C₁₂ alkoxy groups,
silyloxy groups OSiR¹¹R¹²R¹³,
halogens,
NO₂ groups, or
amino groups NR¹⁴R¹⁵,
and wherein it being possible in each case for two adjacent radicals R¹ to R⁹,
may optionally to form with one another, a saturated or unsaturated 5- to 8-
membered ring[[],];

R¹⁰ to R¹⁶ independently of one another, are hydrogen,
C₁-C₂₀ alkyl groups, which may optionally be substituted in turn by O(C₁-C₆
alkyl) or N(C₁-C₆ alkyl)₂ groups,
C₃-C₁₂ cycloalkyl groups,
C₇-C₁₃ aralkyl radicals or C₆-C₁₄ aryl groups[[],];

and wherein at least one of the radicals R¹ to R⁹ ~~necessarily being~~ is in the form of a radical of the formula II below:



wherein where Z is an electron-withdrawing group, and n is an integer from 1 to 5.

Claim 2 (Currently Amended): The A process as claimed in claim 1, wherein Z in formula II is selected from one of the following electron-withdrawing radicals:

NO₂, SO₃, F, C_mF_{2m+1}, where m is an integer from 1 to 10, or a mono- or polyfluorinated aryl.

Claim 3 (Currently Amended): The A process as claimed in claim 1 either of claims 1 or 2, wherein Z in the formula II is CF₃, and n is 2 or 3.

Claim 4 (Currently Amended): The A process as claimed in claim 1 any of claims 1 to 3, wherein the metal complex compound is used in combination with an activator.

Claim 5 (Currently Amended): The A process as claimed in claim 1 any of claims 1 to 4, wherein M in the formula I is nickel or palladium.

Claim 6 (Currently Amended): The A process as claimed in claim 1 any of claims 1 to 5, wherein ethylene is used exclusively as olefin.

Claim 7 (Currently Amended): The A process as claimed in claim 1 any of claims 1 to 5, wherein at least two olefins are used, selected from the group consisting of ethylene, propylene, 1-butene, 1-hexene, and styrene.

Claim 8 (Currently Amended): The A process as claimed in claim 7 claim 6, wherein ethylene is used in combination with propylene, 1-butene, 1-hexene or styrene.

Claim 9 (Currently Amended): The A process as claimed in claim 1 any of claims 1 to 8, wherein anionic, cationic and/or nonionic emulsifiers are used as the one or more dispersants.

Claim 10 (Currently Amended): The A process as claimed in claim 1 any of claims 1 to 9, wherein aliphatic and aromatic hydrocarbons, fatty alcohols or fatty acids acid are used as organic solvents.

Claim 11 (Currently Amended): An aqueous dispersion of a polyolefin or copolymer of two or more olefins, obtained obtainable by the a process as claimed in claim 1 any of claims 1 to 10.

Claim 12 (Currently Amended): An aqueous dispersion of a polyethylene or copolymer of ethylene, obtained obtainable by the a process as claimed in claim 1 any of

~~claims 1 to 10.~~

Claim 13 (Currently Amended): The An aqueous dispersion as claimed in claim 11 or ~~12, wherein said dispersion is in the form of a miniemulsion.~~

Claim 14 (Currently Amended): A method of coating paper, comprising, applying the aqueous dispersion, as claimed in claim 11, to a paper substrate ~~The use of an aqueous dispersion as claimed in any of claims 11 to 13 for paper applications such as paper coating or surface sizing, paints and varnishes, adhesive base materials, molded foams such as mattresses, textile and leather applications, carpet backing coatings or pharmaceutical applications.~~

Claim 15 (New): The aqueous dispersion as claimed in claim 12, wherein said dispersion is in the form of a miniemulsion.

Claim 16 (New): A method of sizing a surface, comprising, contacting the aqueous dispersion, as claimed in claim 11, with the surface of a substrate.

Claim 17 (New): A method of treating a textile, leather or a carpet backing, comprising, contacting the aqueous dispersion, as claimed in claim 11, with a substrate.

Claim 18 (New): A method of preparing a molded foam, comprising, molding a composition comprising the aqueous dispersion of claim 11 and one or more additives.

Claim 19 (New): A paint, varnish or adhesive, comprising the aqueous dispersion of claim 11 and one or more additives.

Claim 20 (New): A pharmaceutical composition, comprising the aqueous dispersion of claim 11 and one or more additives.